

9	18	27	36	45	54
ATG GCA GCA AGG CCC AAG CTC CAC TAT CCC AAC GGA AGA GGC CGG ATG GAG TCC					
M A A R P K L H Y P N G R G R M E S					
63	72	81	90	99	108
GTG AGA TGG GTT TTA GCT GCC GGC GGA GTC GAG TTT GAT GAA GAA TTT CTG GAA					
V R W V L A A A G V E F D E F L E					
117	126	135	144	153	162
ACA AAA GAA CAG TTG TAC AAG TTG CAG GAT GGT AAC CAC CTG CTG TTC CAA CAA					
T K E Q L Y K L Q D G N H L L F Q Q					
171	180	189	198	207	216
GTG CCC ATG GTT GAA ATT GAC GGG ATG AAG TTG GTA CAG ACC CGA AGC ATT CTC					
V P M V E I D G M K L V Q T R S I L					
225	234	243	252	261	270
CAC TAC ATA GCA GAC AAG CAC AAT CTC TTT GGC AAG AAC CTC AAG GAG AGA ACC					
H Y I A D K H N L F G K N L K E R T					
279	288	297	306	315	324
CTG ATT GAC ATG TAC GTG GAG GGG ACA CTG GAT CTG GAA CTG CTT ATC ATG					
L I D M Y V E G T L D L L E L L I M					

FIGURE 1A

333	342	351	360	369	378
CAT CCT TTC	TTA AAA CCA GAT GAT CAG	CAG CAA AAG GAA GTG	AAC ATG GCC	AAC ATG GCC	CAG
H P F L K P D D Q Q Q		K E V V N M A Q			
387	396	405	414	423	432
AAG GCT ATA ATT AGA TAC TTT CCT GTG	TTT GAA AAG ATT TTA AGG	GGT CAC GGA			
K A I I R Y F P V F E K I L R G H G					
441	450	459	468	477	486
CAA AGC TTT CTT GTT GGT AAT CAG CTG	AGC CTT GCA GAT GTG	ATT TTA AGG	TTA CTC CAA		
Q S F L V G N Q L S L A D V I L L Q					
495	504	513	522	531	540
ACC ATT TTA GCT CTA GAA GAG AAA ATT CCT AAT ATC CTG	TCT GCA TTT CCT	TTC			
I L A L E E K I P N I L S A F P F					
549	558	567	576	585	594
TC CAG GAA TAC ACA GTG AAA CTA AGT AAT ATC CCT ACA ATT AAG	AGA TTC	CTT			
Q E Y T V K L S N I P T I K R F L					
603	612	621	630	639	648
CAA CCT GGC AGC AAG AAG CCT CCC CCT GAT GAA ATT TAT GTG	AGA ACC	GTC			
P G S K K K P P P P D E I Y V R T V					

FIGURE 1B

657	TAC AAC ATC TTT AGG CCA TAA AAC AAC ACA TCC ATG TGT GAG TGA CAG TGT GTT	666	675	684	693	702
	Y N I F R P					
711	CCT AGA GAT GGT ATT GTC TAC AGT CAT GTC TTA ATG GAT CCC AGC TCT GTC ATG	720	729	738	747	756
765	GTG CTA TCT ATG TAT TAA GTT GGG TCC TAA GTT GGG TCT TTT GT 3'	774	783	792		

FIGURE 1C

1	A	R	P	K	L	H	Y	P	N	G	R	G	R	M	E	S	V	R	W	V	L	A	A	G	V	E	F	L	E	T	K	E	Q	H	G	S	T	g825605
1	E	K	P	K	L	H	Y	S	N	T	R	G	R	M	E	S	I	R	W	L	L	A	A	G	V	E	F	E	E	K	F	I	K	S	A	E	D	g259141
1	E	K	P	K	L	H	Y	F	N	A	R	G	R	M	E	S	T	R	W	L	L	A	A	G	V	E	F	E	E	K	F	I	K	S	A	E	D	g193710
1	A	K	P	K	L	Y	Y	F	N	G	R	G	R	M	E	S	I	R	W	L	L	A	A	G	V	E	F	E	E	F	L	E	T	R	E	Q		
41	K	L	Q	D	G	N	H	L	L	F	Q	Q	V	P	M	V	E	I	D	G	M	K	L	V	Q	T	R	S	I	L	H	Y	I	A	D	K	H	N
41	K	L	R	N	D	G	Y	L	M	F	Q	Q	V	P	M	V	E	I	D	G	M	K	L	V	Q	T	R	A	I	L	N	Y	I	A	S	K	Y	N
41	K	L	R	N	D	G	Y	L	M	F	Q	Q	V	P	M	V	E	I	D	G	M	K	L	V	Q	T	R	A	I	L	N	Y	I	A	S	K	Y	N
41	K	M	Q	K	D	G	H	L	L	F	G	Q	V	P	L	V	E	I	D	G	M	L	T	Q	T	R	A	I	L	S	Y	L	A	A	K	Y	N	
81	K	N	L	K	E	R	T	L	I	D	M	Y	V	E	G	T	L	D	L	E	L	L	I	M	H	P	F	L	K	P	D	D	Q	Q	K	E		
81	K	D	I	K	E	K	A	L	I	D	M	Y	I	E	G	I	A	D	L	G	E	M	I	L	L	P	F	T	Q	P	E	E	Q	D	A	K		
81	K	D	I	K	E	R	A	L	I	D	M	Y	I	E	G	I	A	D	L	G	E	M	I	L	L	P	V	C	P	P	E	E	K	D	A	K		
81	K	D	L	K	E	R	V	R	I	D	M	Y	A	D	G	T	Q	D	L	M	M	I	A	V	A	P	F	K	T	P	K	E	K	E	S			
121	J	M	A	Q	K	A	I	I	R	Y	F	F	V	F	E	K	I	L	R	G	H	G	Q	S	F	L	V	G	N	Q	L	S	L	A	D	V	I	L
121	I	Q	E	K	T	K	N	R	Y	F	F	A	F	E	K	V	L	K	S	H	G	Q	D	Y	L	V	G	N	K	L	S	R	A	D	I	H	L	
121	I	K	E	K	I	K	N	R	Y	F	F	A	F	E	K	V	L	K	S	H	G	Q	D	Y	L	V	G	N	K	L	S	R	A	D	I	H	L	
121	I	L	S	R	A	K	T	R	Y	F	F	V	F	E	K	I	L	K	D	H	G	E	A	F	L	V	G	N	Q	L	S	W	A	D	I	Q	L	

FIGURE 2A

1	2	T	I	L	A	L	E	E	K	I	P	N	I	L	S	A	F	P	F	L	Q	E	Y	T	V	K	L	S	N	I	P	T	I	K	R	F	L	E	P	HGST	
1	3	L	L	Y	V	E	E	L	D	S	S	L	I	S	S	F	P	L	L	K	A	L	K	T	R	I	S	N	L	P	T	V	K	K	F	L	Q	P	g825605		
1	3	L	L	Y	V	E	E	L	D	S	S	L	I	S	S	F	P	L	L	K	A	L	K	T	R	I	S	N	L	P	T	V	K	K	F	L	Q	P	g259141		
1	4	E	A	I	L	M	V	E	E	L	S	A	P	V	L	S	D	F	P	L	L	Q	A	F	K	T	R	I	S	N	I	P	T	I	K	K	F	L	Q	P	g193710
2	3	K	K	K	P	P	P	D	E	I	Y	V	R	T	V	Y	N	I	F	R	P																				
2	3	P	R	K	P	P	M	D	E	K	S	L	E	E	S	R	K	I	F	R	F																				
2	3	P	R	K	P	P	M	D	E	K	S	L	E	E	A	R	K	I	F	R	F																				
2	3	Q	R	K	P	P	P	D	G	P	Y	V	E	V	V	R	I	V	L	K	F																				

FIGURE 2B

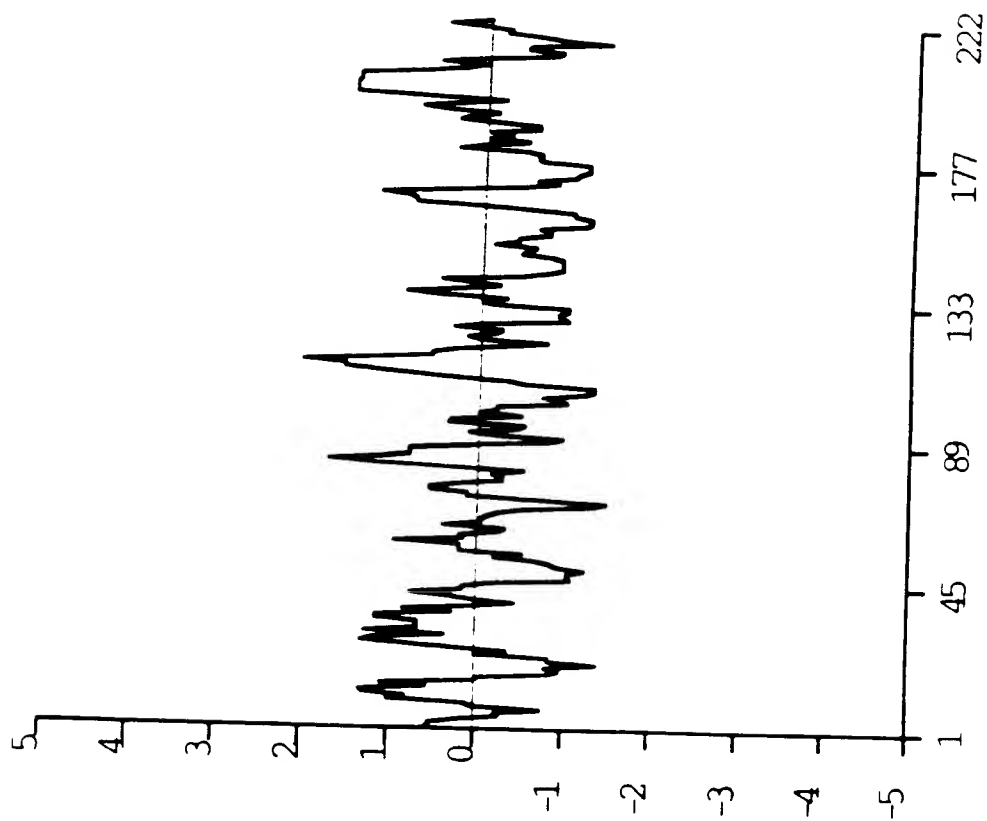


FIGURE 3

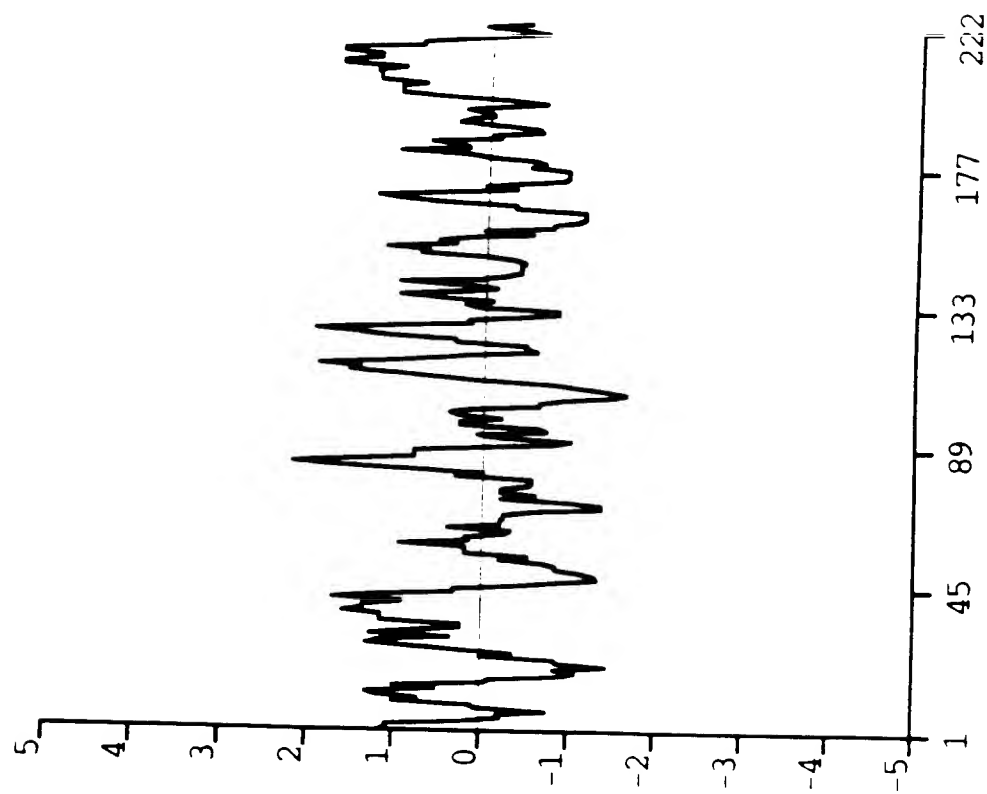


FIGURE 4

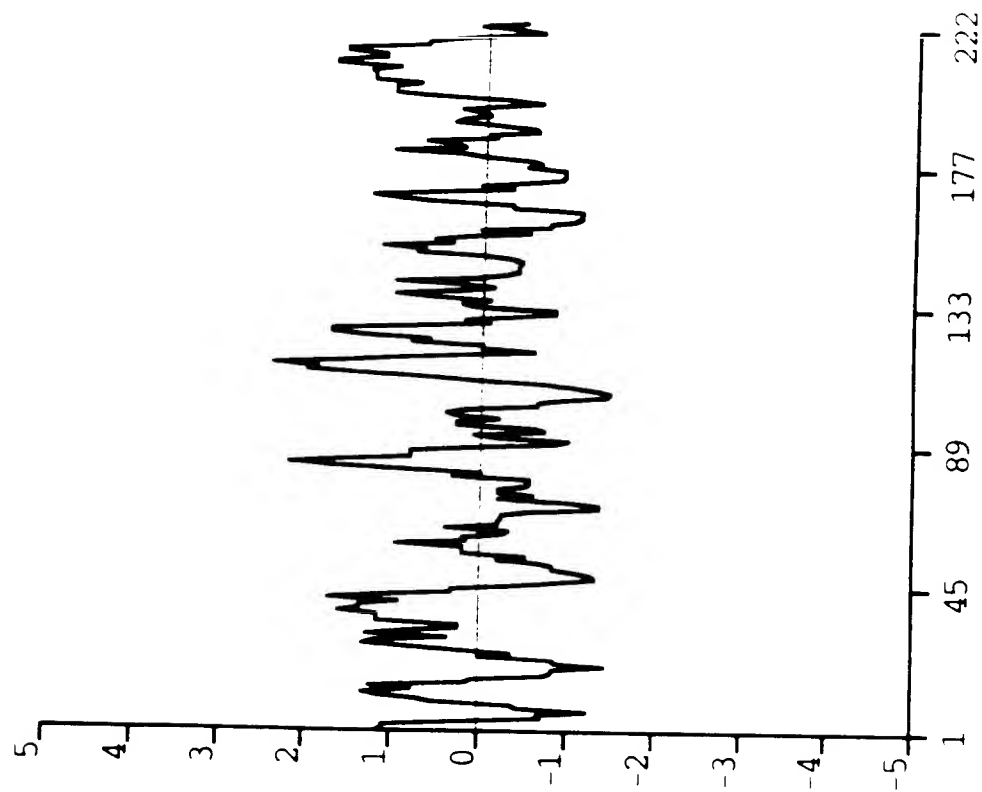


FIGURE 5



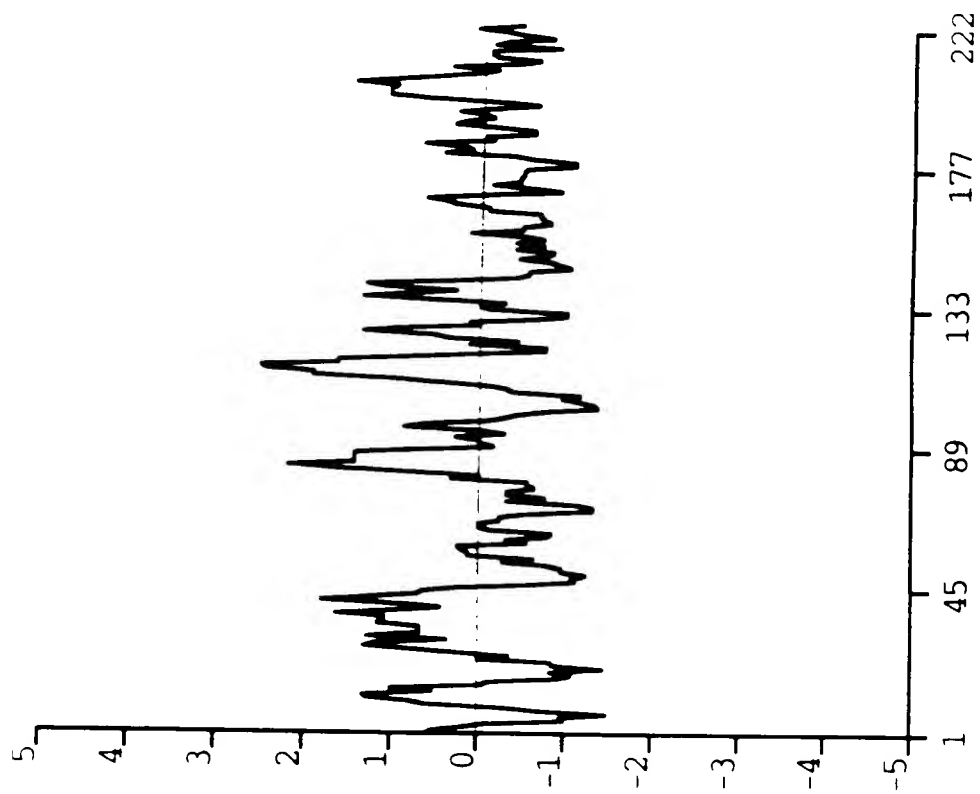


FIGURE 6

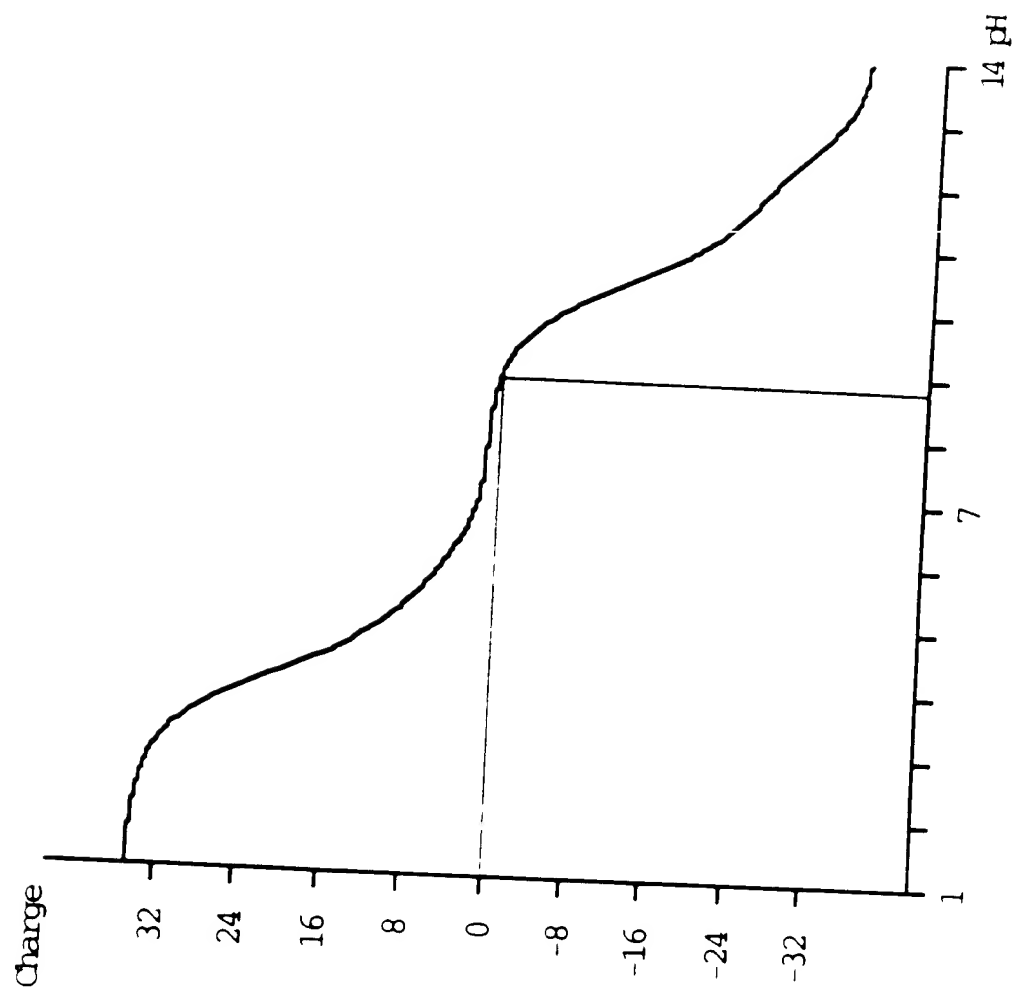


FIGURE 7

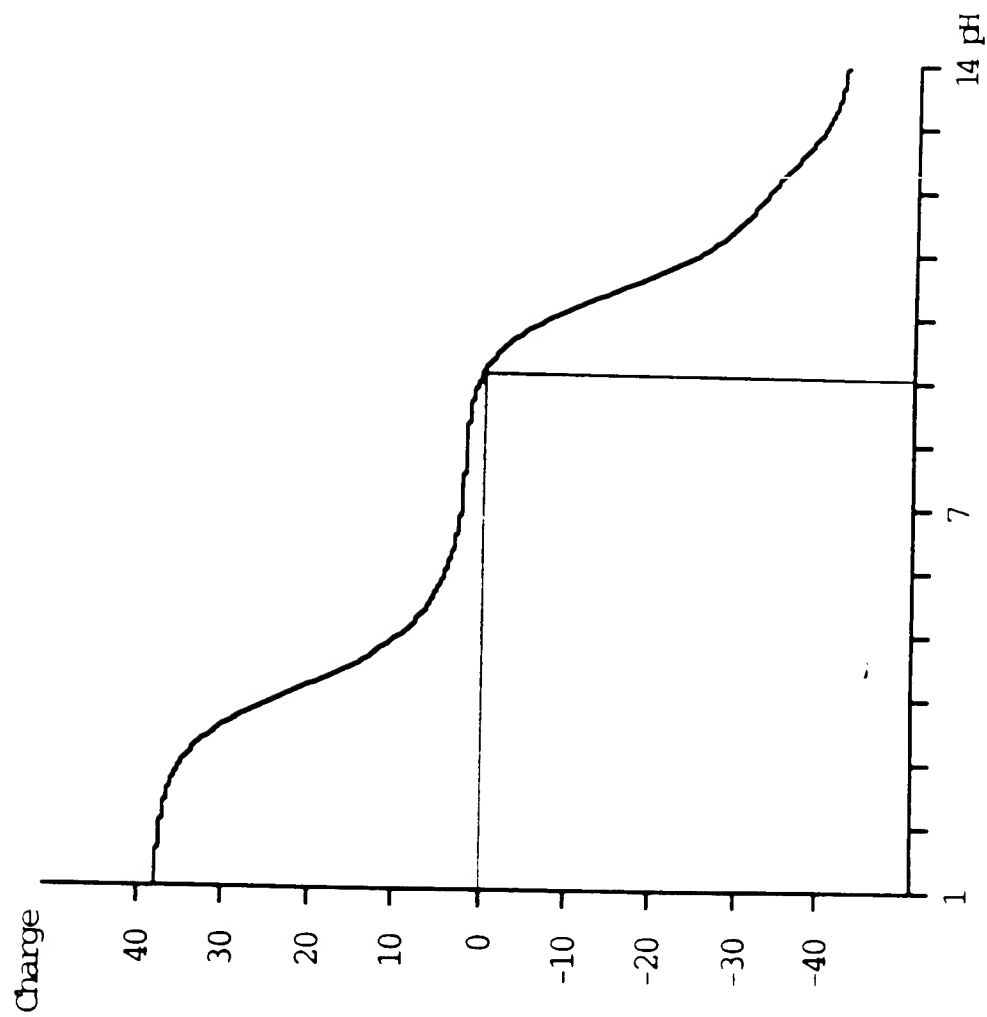


FIGURE 8

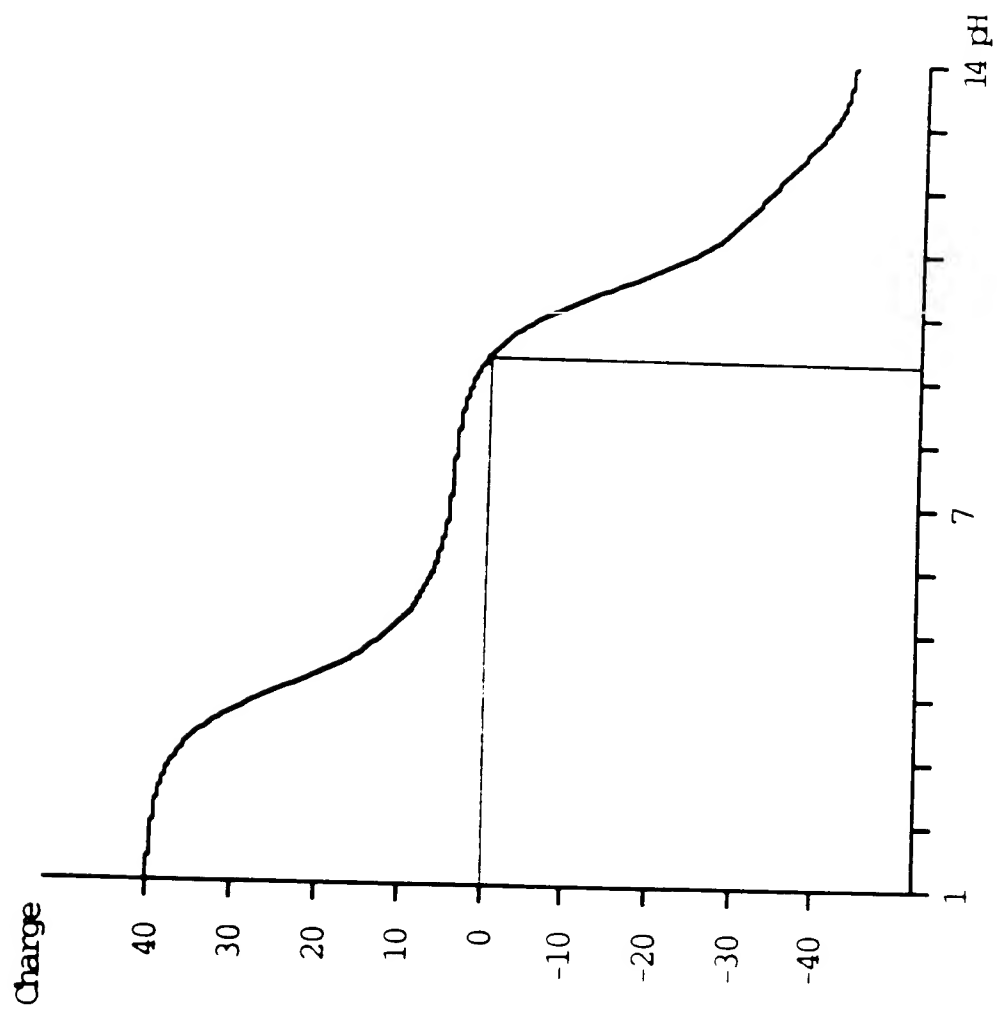


FIGURE 9